

Title (en)  
SHOCK PROTECTION FOR POSITION-MEASURING PROBES

Title (de)  
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Title (fr)  
PROTECTION CONTRE LES CHOCS POUR SONDAS DE MESURE DE POSITION

Publication  
**EP 1004003 B1 20050907 (DE)**

Application  
**EP 99939364 A 19990617**

Priority  
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Abstract (en)  
[origin: DE19826615A1] The inventive shock protection device prevents damage to optical and micromechanical gyroscopes. The gyroscope or precision instrument being protected can be located in an inner housing shell. Said inner housing shell is arranged at a set distance from an outer housing shell by means of elastic elements and is hereby protected against shocks. The inner housing shell can be brought into precise mechanical contact with the outer housing shell for a short time by means of an electromechanical device. The spatial orientation of the inner and outer housing shells corresponds very precisely. According to another embodiment of the invention, the electromechanical device can be used in the opposite way to deactivate existing shock protection and enable a sensor element to be brought into direct contact with an object being examined for a short time during a measuring operation.

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